

秦岭百合科的新植物

李培元*

(中国科学院西北植物研究所)

SOME NEW PLANTS OF LILIACEAE FROM TSINLING

LI PEI-YUAN

(Northwestern Institute of Botany, Academia Sinica)

1. 太白贝母 新种

Fritillaria taipaiensis P. Y. Li, sp. nov.

Proxima *F. cirrhosae* D. Don, a qua perianthio non tessellato, segmentis interioribus spathulatis recedit.

Bulbus subglobosus ad 2.5 cm diam.; squamis carnosis. Caulis 40—50 cm altus, glaber, supra medium foliatus. Folia linearia vel lineari-lanceolata, infima opposita apice obtusa ad 8 mm lata, superiora alternata, opposita vel verticillata, summa 3 verticillata apice acuminata et paulo recurvata vel cirrhosa 2—4 mm lata. Flos solitarius cernuus; pedicellus 1.5—2 cm longus. Perianthium campanulatum 3—4 cm longum; segmentis flavovirentibus, margine ad apicem purpureis, non tessellatis, exterioribus suboblongis, apice rotundatis, interioribus spathulatis, apice acutis, basi non saccatis, supra basin nectario ovato praeditis. Stamina dimidio segmenti subaequilonga; anthera c. filamenti $2/3$ longa; filamentum parte inferiore planiusculo, sparse papilloso. Ovarium cylindricum 8—11 mm longum; stylo clavato ovario subaequilongo, trifido. Capsula suboblonga 2.5 cm longa.

Shensi: Taipaishan (太白山), near Fangyangsze (放羊寺), alt. 3150 m, K. S. Yang (杨金祥) No. 584 (Typus, HW**), V, 13, 1959; Si-Taipaishan (西太白山), Paiyunhsia (白云峡), alt. 2030 m, K. T. Fu (傅坤俊) No. 9378, VIII, 9, 1957; Si-Taipaishan, Suitengsao (水登槽), alt. 2800 m, C. P. Wei (魏志平) No. 1502, VII, 1958.

本种极近似 *F. cirrhosa* D. Don, 但本种花被裂片黄绿色, 不具紫色方格网纹, 内轮花被裂片匙形等特点而不相同。

2. 秦贝母 新变型

Fritillaria cirrhosa D. Don

form. **glabra** P. Y. Li, form. nov.

A forma cirrhosa bulbis depresso-globosis majoribus, foliis pluribus (11—16), filamen-

* 本文蒙汪发纘教授和陈心启同志热情指导和审校, 特此敬致衷心的感谢。

** Specimens preserved in the herbarium of Northwestern Institute of Botany, Academia Sinica, Wukung, Shensi.

tis glabris differt.

Shensi: Lan-tien Hsien (蓝田县), Wang-shun-shan (王顺山), alt. 2220 m, Z. S. Shin (申作洵) No. 98 (Typus, HW), V, 20, 1960.

本变型不同于种之点在于鳞茎扁球形,比较大;叶较多(11—16枚),花丝无毛。

3. 大苞黄精 新种

Polygonatum megaphyllum P. Y. Li, sp. nov.

Affine *P. involucrato* Maxim., sed tota planta praeter flores et caulis partem inferiorem stellato-puberula, pedunculo 4-bracteato, bracteis foliaceis minimis, floribus brevioribus differt.

Rhizoma repens, articulis sigilliformibus elongatisve. Caulis erectus 25 cm altus striatus, parte inferiore nudus, glaber, dimidio vaginatus; vagina lineari-lanceolata acuminata ad 4 mm longa membranacea. Folia alternata ovata ovato-ellipticae, 4—6 cm longa, 23—46 mm lata, acuminata, basi rotundata, utrinque praesertim in nervis margineque stellato-puberula, nervis principalibus 3—5, nervillus numerus. Pedunculus pubescens paulo planus 5 mm longus, axillis inferioribus 1—2 exiens; bractae 4 ovato-lanceolatae obtusae 1—2 cm longae pubescentes; pedicelli 1—2 mm longi ut pedunculus pubescentes; flores bini cernui. Perigonium pallide viride 11—17 mm longum, tubo cylindrico, ad faucem vix attenuato, lobis 3—4 mm longis, apice intus paulo papiloso-pilosis; stamina usque ad medium cum costis tubi adnata, anthera lineari 2—3 mm longa, filamentum pars libera plana, anthera subaequalis; ovario ovato 2—4 mm longo, triloculato, in quique loculo ovulis 6; stylo basi dilatato, ovario 2—3-plo longior incluso; stigmatibus capitellato.

Kansu: Min Hsien (岷县), Lo-ta (罗达), Tokitelashan (多吉德拉山), Under woods, alt. 2500 m, T. P. Wang (王作宾) No. 15364 (Typus, HW), VI, 10, 1950; Wushan Hsien (武山县), Yellow River Exped. (黄河调查队) No. 4332, VI, 1, 1956; Lan-chow (兰州), Akanchen (阿岗镇), alt. 2400 m, T. P. Wang (王作宾) No. 12931, VI, 23, 1942.

Shensi: Taipaishan (太白山), Hung-huo (红河), T. P. Wang (王作宾) No. 1482, IV, 16, 1937.

本种近似 *P. involucrato* Maxim., 但全体被星状短柔毛(除花和茎下部外),总花梗具4枚叶状苞片,花较短等极易区别。

4. 粗毛黄精 新变种

Polygonatum alternicirrhosum Hand.-Mzt.

var. **piliferum** P. Y. Li, var. nov.

A typo recedit rhizoma te moniliformi, caule dense strigoso, folii nervis hispida.

Kansu: Wen Hsien (文县), alt. 1030 m, C. Y. Chang (张志英) No. 8982 (Typus, HW), VII, 15, 1959.

新变种根状茎念珠状,茎密被粗伏毛,叶脉被粗硬毛而与正种不同。

5. 细根茎黄精 新种

Polygonatum gracile P. Y. Li, sp. nov.

Prope *P. roseum* Kunth, sed differt rhizomate gracili, foliis ad summam per (4—) 6 verticillatis, floribus viridescentibus usque 8 mm longis, filamentis brevioribus.

Rhizoma horizontale elongatum gracile cylindrico-lineare pallide brunneo-fulvidum, articulis brevibus, radicibus fibrosis. Caulis erectus, 5—30 cm altus glaber striatus, parte

inferiore cicatricula annulata instructus. Folia verticillata, in verticillis inferioribus 2 ternata, ceterum (4—)6-nata, sessilia lineari-lanceolata vel lanceolata 4—7 cm longa, 1—2 cm lata, acuminata, supra viridia, subtus glauca, utrinque glabra, costa subtus convexa. Pedunculi filiformes cernui 1—1.3 cm longi glabri; pedicelli geminati brevissimi 1—2 mm longi; bracteae lineari-lanceolatae acuminatae pedicellis duplo longiores. Perianthium tubulosum ovato-oblongum viridescens 8 mm longum, lobi 6 brevissimi valvati. Stamina ad medium tubi inserta, filamenti pars libera 1.5 mm longa glabra, anthera sagittata apice obtusiuscula circ. 1.5 mm longa, papilloso-pubescens; ovario ovato, stigmate integro. Bacca immatura.

Kansu: Chang Hsien (漳县), Hoti-tsun (河底村), Sung-hushan (松虎山), Yellow River Exped. (黄河调查队) No. 4697 (Typus, HW), VI, 4, 1956; Lung-te Hsien (隆德县), 2100 m, T. P. Wang (王作宾) No. 13437, VIII, 2, 1956.

Shensi: Pao-ki Hsien (宝鸡县), Yü-huang-shan (玉皇山), alt. 2680 m, K. M. Liou (刘继孟) No. 10862, VII, 1, 1950; Hwa-shan (华山), Chen-yueh-kung (镇岳宫), W. Y. Hsia (夏纬英) No. 4238, V. 30, 1938; Lung Hsien (陇县), T. P. Wang (王作宾) No. 4191, VII, 3, 1936.

本种接近 *P. roseum* Kunth, 但根状茎纤细, 茎顶端的叶常为 6 (罕 4) 枚轮生, 花带绿色, 长 8 毫米, 花丝较短而与后一种不同。

6. 黑叶菝葜

***Smilax nigrescens* Wang et Tang, sp. nov.**

Affinis *S. brevipedis* Warb., a qua foliis usque minoribus, pedunculis distincte longioribus, et floribus manifeste minoribus differt.

Frutex scandens ramosus; ramuli patentes, tetragoni vel subtetragoni aculeati. Folia ovato-lanceolata pergamacea, in sicco nigrescentia, 4—8 cm longa, 2—5 cm lata, apice sensim attenuata, basi subcordata vel rotundata, 5—7-nervia, glabra subtus glauca; petiolo 6—12 mm longo apice vaginae cirrhifero. Umbella axillaris, pedunculo 1.5—3.5 cm longo plano, receptaculo globoso leviter incrassato; bracteis parvis ovatis apice subulatis circ. 1 mm longis. Flores masculi pallide virides, alabastro elliptico; sepala similis; anthera oblonga 1 mm longa, filamentum plano longior. Bacca caeruleo-nigrescens, globosa 6—8 mm diam. Semina vulgo 2 fusca circ. 3.5 mm diam.

Shensi: Ning-shen Hsien (宁陕县), Guankou (关口), alt. 800—1300 m, flores ♂, C. C. Hsing (邢吉庆) Nos. 453 (Typus, HW), 268, 494, 1418, V, 1959; Seunyang Hsien (旬阳县), Shin-ho (神河), alt. 1200 m, in fruit, P. Y. Li (李培元) No. 11015, VIII, 20, 1959; Shang-nan Hsien (商南县), Kiangsikou (江西沟), alt. 500 m, in fruit, S. P. Ho (何善宝) No. 718, X, 7, 1958; Mien Hsien (勉县), Likungshan (雷公山), alt. 1500 m, T. P. Wang (王作宾) No. 9286, V, 29, 1938; Feng Hsien (凤县), near Toutsang (唐藏), alt. 1500 m, K. T. Fu (傅坤俊) No. 1293, VII, 1960.

Kansu: Tiensui Hsien (天水县), Kinlungshan (金龙山), C. P. Wei (魏志平) No. 1718, VIII, 10, 1958; Tiensui Hsien (天水县), Kantseuansze (甘泉寺), alt. 1500 m, W. Y. Hsia (夏纬英) No. 5273, VI, 20, 1936; Wutu Hsien (武都县), alt. 1240—1850 m, C. Y. Chang (张志英) Nos. 2941, 1258, 3393, V, 1959; Wen Hsien (文县), Tanpu (丹堡), alt. 1030—1500 m, C. Y. Chang (张志英) No. 8786, 9777, 8979, 10936, VII, 1959; Kang Hsien (康县), Pinglo (平洛), T. P. Wang (王作宾) No. 14961, IX, 29, 1951.

本种接近 *S. brevipes* Warb., 但叶质地较硬, 干后变黑色; 花蕾椭圆形, 非三角形, 总梗较长而不同。